Express Mail Mailing Lasel No.: EL 988705086 US Application Serial Number 09/404,932 September 24, 1999 Filing Date Friedl First Named Inventor 2123 Group Art Unit NSMITTAL HECEIVEL Examiner Name Thangavelu, K. **FORM** Attorney Docket No. MFL-001 <u>IAN 08 2004</u> Not applicable Patent No. Technology Center 2 00 Not applicable Issue Date ENCLOSURES (check all that apply) Notice of Appeal to Board Copy of Notice to File Missing of Patent Appeals and Interferences Parts of Application Appeal Brief (in triplicate) Formal Drawing(s) Copy of Fee Transmittal Form Request For Continued Status Inquiry \boxtimes Amendment/Response Examination (RCE) Transmittal Preliminary \boxtimes Return Receipt Postcard ☐ After Final ☐ Affidavits/declaration(s) Power of Attorney Certificate of First Class Mailing (Revocation of Prior Powers) Letter to Official under 37 C.F.R. 1.8 Draftsperson including Drawings Terminal Disclaimer Certificate of Facsimile [Total Sheets 54] Transmission under 37 C.F.R. 1.8 \boxtimes Additional Enclosure(s) Executed Declaration and Power \boxtimes Petition for Extension of (please identify below) of Attorney for Utility or Design Time Patent Application Associate Power of Attorney (1 pg.) Information Disclosure Small Entity Statement Copy of Notice of Draftperson's Patent Statement Drawing Review (1 pg.) Form PTO-1449 CD(s) for large table or computer Copies of IDS Citations program Amendment After Allowance Certified Copy of Priority Document(s) Request for Certificate of Sequence Listing submission Correction Certificate of Correction (in ☐ Paper Copy/CD Computer Readable Copy duplicate) ☐ Statement verifying identity of above CORRESPONDENCE ADDRESS

SIGNATURE BLOCK

Direct all correspondence to:

Patent Administrator

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Date: December 29, 2003 Reg. No.: 53,002

Tel. No.: (617) 310-8427

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Respectfully submitted,

William R. Haulbrook, Ph.D. Attorney for Applicants Testa, Hurwitz & Thibeault, LLP

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9 2003 FEE TRANSMITTAL FY 2004

	Complete if Known	,
Application Serial Number	09/404,932	RECEIVED
Filing Date	September 24, 1999	HECEIVED
First Named Inventor	Friedl	1111 0 0 2001
Group Art Unit	2123	JAN 08 2004
Examiner Name	Thangavelu, K.	
Attorney Docket No.	MFL-001	Technology Center 210

METHOD OF PAYMENT	FEE CALCULATION (continued)			
1. Payment Enclosed:	3. ADDI	TIONAL FE	EES	
☐ Check ☐ Money Order ☐ Other	Large	Small		ŀ
	Entity	Entity		
2. The Commissioner is hereby authorized to credit	Fee	Fee	Fee Description	Fee Paid
or charge any fee indicated below for this submission	(\$)	(\$)		1
to Deposit Account No. 20-0531.				
Required Fees (copy of this sheet enclosed).	130	65	Surcharge - late filing fee or oath	
Additional fee required under 37 CFR 1.16 and	50	25	Surcharge - late provisional filing fee	
1.17.			or cover sheet	
Overpayment Credit.	130	130	Non-English specification	
3. Applicant claims small entity status.	2,520	2,520	Request for ex parte reexamination	
FEE CALCULATION	110	55	Extension for reply within first month	110
1. FILING FEE	420	210	Extension for reply within second	
I. FILING FEE	420	210	month	
Large Entity	950	475	Extension for reply within third month	
Fee (\$) Fee Description Fee Paid	1480	740	Extension for reply within fourth	
rec (a) rec Description rec raid	1700	770	month	
	2010	1005	Extension for reply within fifth month	
770 Utility filing fee	330	165	Notice of Appeal	
340 Design filing fee	330	165	Filing a brief in support of an appeal	
160 Provisional filing fee	290	145	Request for oral hearing	
<u> </u>	130	130	Petitions to the Commissioner	
	180	180	Submission of Information Disclosure	
Number Number Rate Amount			Statement	
Filed Extra	770	385	Filing a submission after final	
			rejection (37 CFR 1.129(a))	
Total Claims $-20 = x $18.00 =$	770	385	For each additional invention to be	
			examined (37 CFR 1.129(b))	
Independent	100	100	Certificate of Correction for	
Claims $-3 = x \$ 86.00 =$			applicant's error	
	110	55	Submission of Terminal Disclaimer	
☐ Multiple Dependent Claim(s), if any \$290.00 =	Other fee (Sp	ecify)		
	Other fee (Sp	ecify)		
TOTAL:			•	
SMALL ENTITY DISCOUNT:				
SUBTOTAL (1) (\$)	l			İ
-2. AMENDMENT CLAIM FEES				
Claims Highest No. Present Rate Fee Paid			SUBTOTAL (3) (\$)	110.00
Remaining Previously Extra]
. After Amend. Paid For				
Total 67 $-25 = 42 \times 18.00 = 756$	Ĭ		SUBTOTAL (1)	
Indep. 7 $-3 = 4 \times 86.00 = 344$			SUBTOTAL (2)	1100.00
First Presentation of Multiple Dep. + \$290.00 =			SUBTOTAL (3)	110.00
Claim			332.3(3)	
TOTAL: (\$)1100			•	
SMALL ENTITY DISCOUNT: (\$)				
SUBTOTAL (2) (\$)1100.00			TOTAL (\$)	1210.00
CORRESPONDENCE ADDRESS	SIGNATURE BLOCK			
Direct all correspondence to:			Respectfully submitted,	
Patent Administrator	Data: Dass-	har 20 200	2 1/1/1 7 1	
Testa, Hurwitz & Thibeault, LLP	Date: Decem			Men
High Street Tower-125 High Street	Reg. No.: 53		William R. Haulbrook, Ph.D.	·
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Express Mail Mailing Label No. EL 988705086 US

PATENT

Attorney Docket No. MFL-001

(5407/5)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Friedl et al.

CONFIRMATION NO.:

8927

SERIAL NO.:

09/404,932

GROUP NO.:

2123

FILING DATE:

September 24, 1999

EXAMINER:

Thangavelu, K.

TITLE:

METHOD AND APPARATUS FOR MODELING INJECTION OF A

FLUID IN A MOLD CAVITY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 RECEIVED

JAN 08 2004

Technology Center 2100

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

In response to the NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW mailed on August 28, 2003, attached please find:

- (a) the formal drawing(s) for this application Number of Sheets 29, and
- (b) a copy of the NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW.

Respectfully submitted,

Date: December 29, 2003

Reg. No. 53,002

William R. Haulbrook, Ph.D.

Attorney for Applicant(s)

Testa, Hurwitz, & Thibeault, LLP

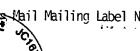
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Boston, Massachusetts 02110

VER 9/00 2731255



form PTO-948 (Rev. 03/0) Spplication No.





U.S. DEPARTMENT OF COMMERCE U.S. Patent and Tra

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

JAN 08 2004

Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) EMINDER: Specification may require revision to rrespond to drawing changes, e.g., if Fig. 1 is anged to Fig. 1A, Fig 1B and Fig. 1C, etc., the ecification, at the Brief Description of the Drawings, ast likewise be changed. Views not labeled separately or properly. Fig(s) 1 A Fig. 1 Separately or properly. Fig(s) 37 CFR 1.84(h)(3) at least 32 cm (1/8 inch) in height. 37 CFR 1.84(q) Lead lines missing. Fig(s) 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) 15. NUMBERING OF VIEWS. 37 CFR 1.84(u) Views not numbered consecutively, and in Arabic	objected to by the Draftsperson under 37 CFR 1.84 of drawings are required. DRAWINGS. 37 CFR 1.84(a): Acceptable sategories of drawings: Black ink or Color (3 sets required). Color drawings are not acceptable until petition is granted. Fig(s) Pencil and non black ink not permitted. Fig(s) Photographs. 37 CFR 1.84(b) I full-tone set is required. Fig(s) Photographs may not be mounted. 37 CFR 1.84(e) Photographs must meet paper size requirements of of 37 CFR 1.84(f). Fig(s) Poor quality (half-tone). Fig(s) TYPE OF PAPER. 37 CFR 1.84(e) Paper not flexible. strong, white, and durable. Fig(s) Erasures, alterations, overwritings. interlineations, folds, copy machine marks not accepted. Fig(s) SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 1.0 cm by 29.7 cm (DIN size A4) or 1.6cm by 27.9cm (8 1/2x 11 inches) All drawing sheets not the same size. Sheet(s) Drawings sheets not an acceptable size. Fig(s) MARGINS. 37 CFR 1.84(g): Acceptable margins: op 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm Margins not acceptable. Fig(s)	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned sothat the top becomes the right side, except for graphs. Fig(s) 9. SCALE. 37 CFR 1.84(k) Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) 10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(1) Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) Solid black areas pale. Fig(s) Solid black shading not permitted. Fig(s) Solid black shading not permitted. Fig(s) I2. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) Numbers and reference characters not plain and legible. Fig(s) Figure legends are poor. Fig(s) Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) English alphabet not used. 37 CFR 1.84(p)(2) Fig(s)
Inged to Fig. 1A, Fig 1B and Fig. 1C. etc the diffication, at the Brief Description of the Drawings, st likewise be changed. Views not labeled separately or properly. Fig(s) Fig	p 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm Margins not acceptable. Fig(s) Top (T) Right (R) Bottom (B) VIEWS. 37 CFR 1.84(h) MINDER: Specification may require revision to	English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) 13. LEAD LINES. 37 CFR 1.84(q)
	anged to Fig. 1A, Fig 1B and Fig. 1C, etc., the ecification, at the Brief Description of the Drawings, st likewise be changed. Views not labeled separately or properly. Fig(s)	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) 15. NUMBERING OF VIEWS. 37 CFR 1.84(u)